

SPECIFICATIONS



PR™ 606 Mini Two-Way System

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Enclosure:

PR™ 606

Frequency Response:

70 Hz - 20 kHz ± 3 dB

Low Frequency Limit (-3 dB point):

70 Hz

Useable Low Frequency Limit (-10 dB point):

50 Hz

Power Handling:

50 W Continuous (20 V RMS)
100 W Program

Sound Pressure Level

1 Watt at 1 Meter Swept Sine Input in Anechoic Environment

84 dB

Maximum Sound Pressure Level:

100 dB

Radiation Angle Measured at -6 dB Point of Polar Response:

Horizontal Plane	Vertical Plane
500 Hz - 1.6 kHz	500 Hz - 1.6 kHz
150° \pm 20°	130° \pm 20°
1.6 kHz - 5 kHz	1.6 kHz - 5 kHz

135° \pm 30°

5 kHz - 16 kHz

100° \pm 30°

115° \pm 15°

5 kHz - 16 kHz

95° \pm 30°

Directivity Factor (Q) 500 Hz - 16,000 Hz Median:

3.0; +8.5, -.7

Directivity Index (Di) 500 Hz - 16,000 Hz Median:

4.7 dB; +5.9 dB, -1.1 dB

Transducer Complement:

One 5 1/4" special design woofer
One 1" soft dome tweeter

Box Tuning Frequency (Fbox):

Sealed box resonance: 88 Hz

Harmonic Distortion:

One Watt
2nd Harmonic: 100 Hz - 2.0%
1000 Hz - .20%
3rd Harmonic: 100 Hz - .79%
1000 Hz - .45%
1/10 Rated Power
2nd Harmonic: 100 Hz - 3.2%
1000 Hz - .22%
3rd Harmonic: 100 Hz - 1.0%
1000 Hz - .50%

Crossover Frequency:

3.0 kHz

Crossover Type:

Passive internal

Crossover Slope:

12 dB/oct (2nd order) high and low pass

Impedance (Nominal):

8 ohms

Impedance (Minimum):

6.9 ohms

Input Connections:

Screw terminals

Enclosure Materials and Finish:

Black molded polypropylene cabinet
with textured finish, black perforated
aluminum speaker grille.

Mounting:

Flying via four threaded inserts
compatible with Versamount™ 35
hardware or via two threaded inserts
compatible with a Peavey SV™ 605
mounting bracket (hardware not
included)

Dimensions:

7 1/2" (19.1 cm) W x 11 1/2" (29.2 cm)
H x 6 1/2" (16.5 cm) D

Optional Accessories:

SV™ 605 mounting bracket
Versamount™ 35 mounting bracket

Net Weight:

6 lbs. (2.7 kg)

Additional Remarks:

Tweeter is cooled with ferrofluid, and
speaker has hi-fi voicing and clarity

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FEATURES

- Hi-fi sound character
- 5 1/4" special design woofer
- Molded polypropylene cabinet
- Six threaded inserts
- Slots to allow interlocking of additional units
- Weather resistant for outdoor use
- Drivers protected by an aluminum grille
- Small and lightweight with an unobtrusive appearance
- Frequency response 70 Hz to 20 kHz
- SPL: 84 dB at 1 W/1 m

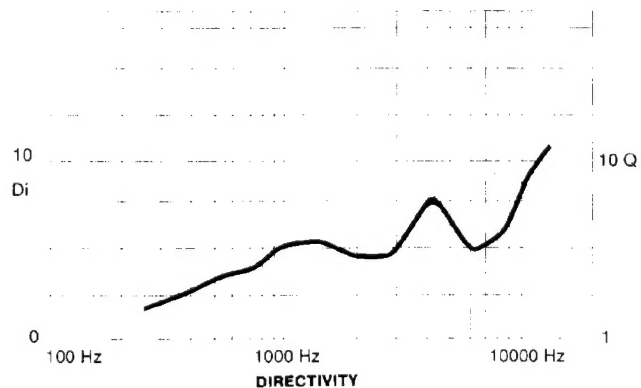
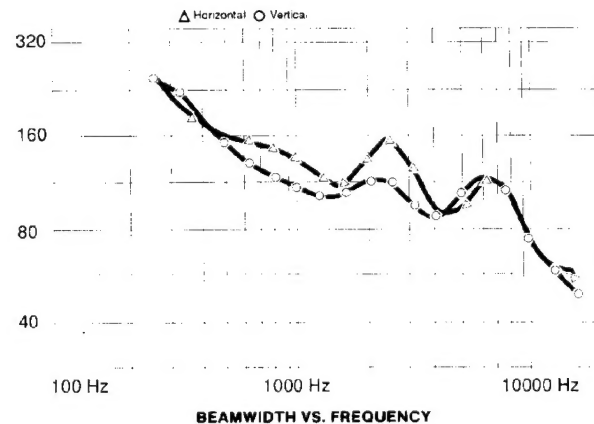
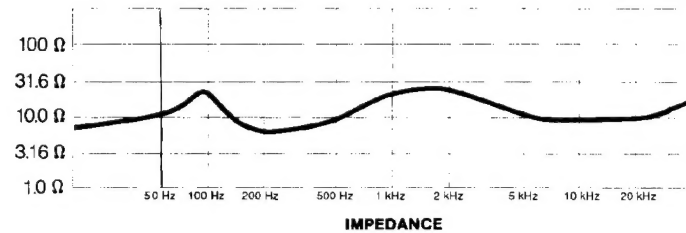
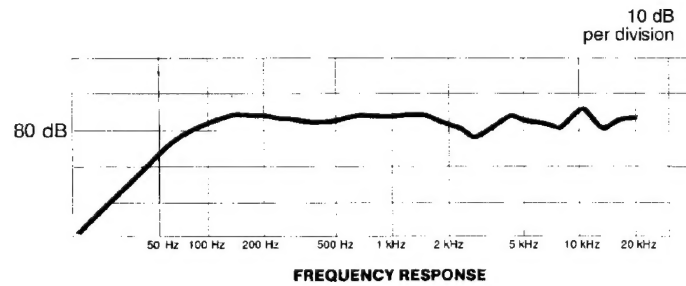
DESCRIPTION

The PR™ 606 is a mini two-way system with a hi-fi sound character brought about via a driver complement consisting of a 1" dome tweeter and a special design 5 1/4" woofer. The unobtrusive and highly practical molded trapezoidal cabinet is fitted with six threaded inserts allowing compatibility with Versamount™ 35 hardware or the Peavey SV™ 605 mounting bracket. With the unique interlocking slots on either side of the trapezoidal enclosure, arrays and multiple unit installations are simplified.

These qualities combine to offer unmatched versatility for use in background music systems in bars, taverns, arenas, lounges, arcades, or anywhere a multi-channel/multi-speaker sound system is required. Ideal for these venues, these high-impact polypropylene cabinets are nearly indestructible. A perforated aluminum grille protects the drivers from being tampered with by establishment clientele. Both the drivers and the cabinet are weather resistant, facilitating outdoor use and installations. The performance extends from 70 Hz to 20 kHz in frequency response with an efficiency of 84 dB at 1 m with 1 W input.

DIRECTIVITY

Beamwidth and directivity factors are derived from the -6 dB points from the polar plots which are measured in a whole space anechoic environment. These are specifications which provide a reference to the coverage characteristics of the enclosure. These parameters provide insight for proper enclosure placement and installation in the chosen environment. The blending of the components of the PR 606 exhibits a desirable beamwidth and directivity factor suitable for all high-level sound reinforcement applications.



FREQUENCY RESPONSE

This measurement is useful in determining how accurately a given enclosure reproduces an input signal. The frequency response of the PR 606 is measured at 1 meter using a 2.83 V swept sine input. The selected drivers in the PR 606 combine to give a smooth frequency response from 70 Hz to 20 kHz.

POWER HANDLING

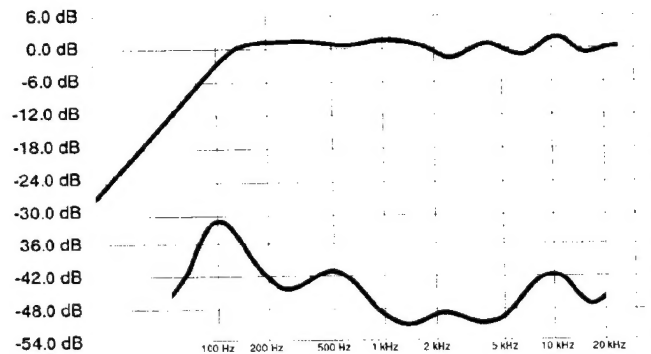
There are many different approaches to power handling ratings. Peavey rates this speaker system's power handling using a modified form of the AES Standard 2-1984. Utilizing audio band (20 Hz - 20 kHz) pink noise with peaks over four times the RMS level, this strenuous test signal assures the user that every portion of this system can withstand today's high technology music. The test signal contains large amounts of very low frequency energy, effectively simulating the frequency content of live music situations. The full measure of high frequencies in the test signal allows for exposure of the speaker system to synthesized tone that may extend beyond audibility. This rating is contingent on having a minimum 3 dB of amplifier headroom available.

HARMONIC DISTORTION

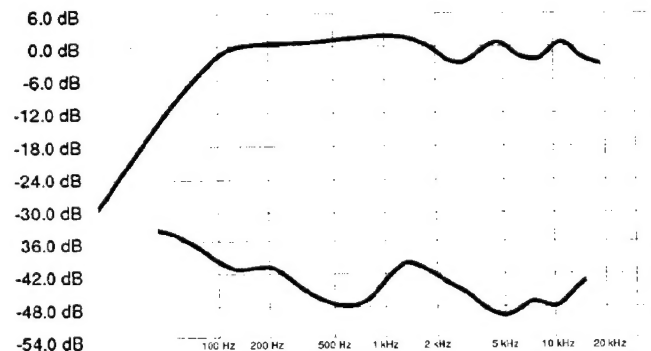
Second and third harmonic distortion vs. frequency is plotted in two power levels: one tenth of rated input power and either one one hundredth of rated input power or one watt, whichever is higher. Distortion is read from the graph as the difference between the fundamental signal and the desired harmonic. As an example, distortion that is 40 dB down from the fundamental signal is equivalent to 1% distortion.

MOUNTING

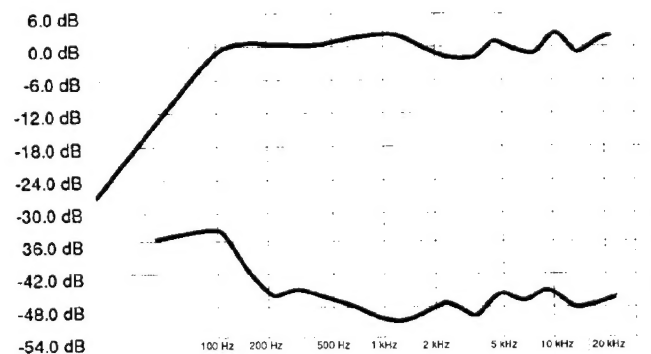
The PR 606 can be mounted using a Peavey Versamount™ 35 or SV™ 605 mounting bracket. No more than three interlocked PR 606 units should be suspended from a single Versamount™ 35, and no more than one unit from an SV™ 605 mounting bracket.



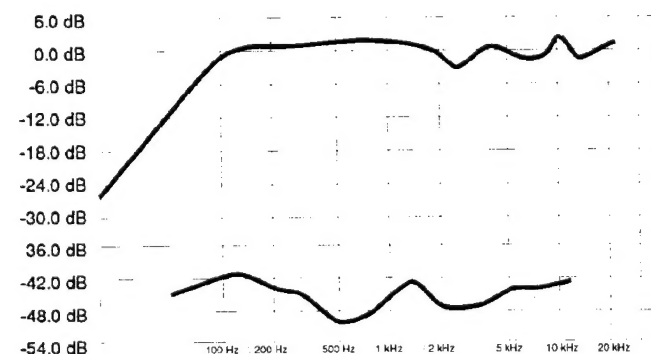
2nd HARMONIC 5 W



3rd HARMONIC 5 W

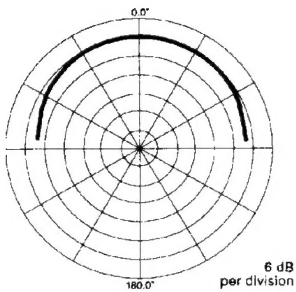


2nd HARMONIC 1 W

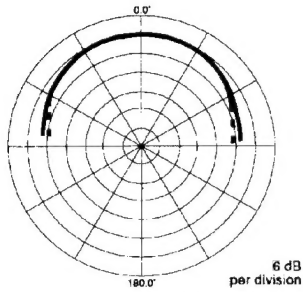


3rd HARMONIC 1 W

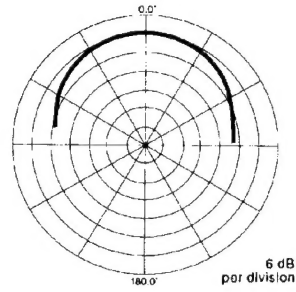
HORIZONTAL



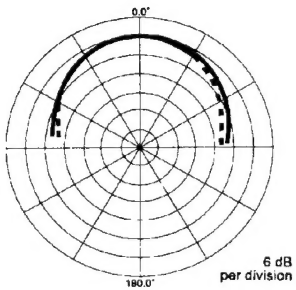
— 250 Hz
- - - 315 Hz



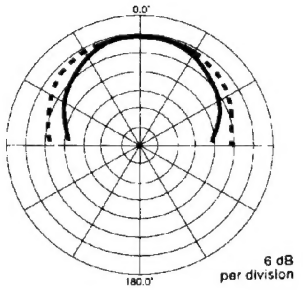
— 400 Hz
- - - 500 Hz



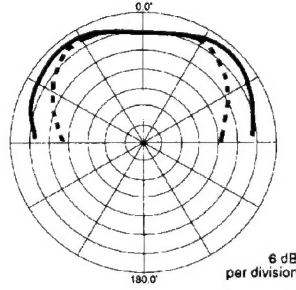
— 630 Hz
- - - 800 Hz



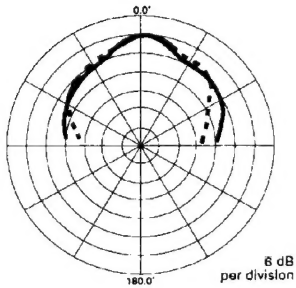
— 1,000 Hz
- - - 1,250 Hz



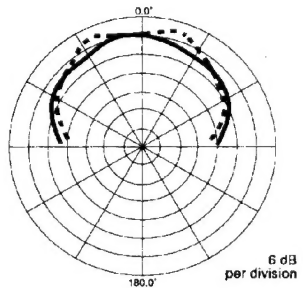
— 1,600 Hz
- - - 2,000 Hz



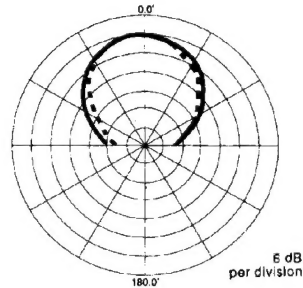
— 2,500 Hz
- - - 3,150 Hz



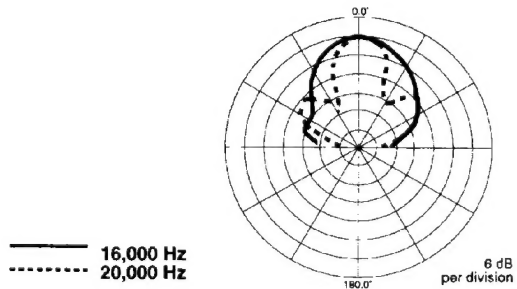
— 4,000 Hz
- - - 5,000 Hz



— 6,300 Hz
- - - 8,000 Hz

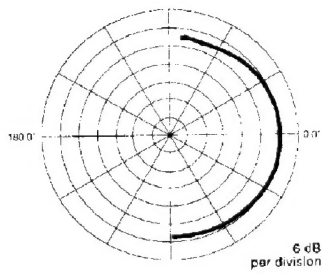


— 10,000 Hz
- - - 12,500 Hz

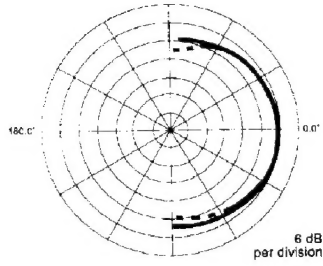


— 16,000 Hz
- - - 20,000 Hz

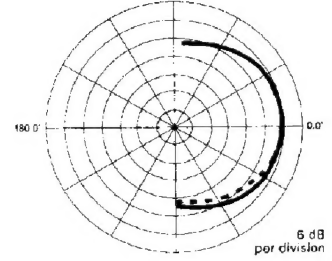
VERTICAL



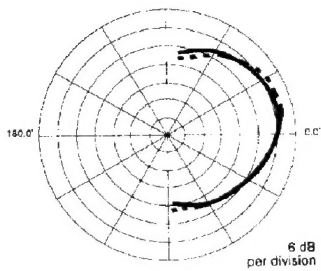
— 250 Hz
- - - 315 Hz



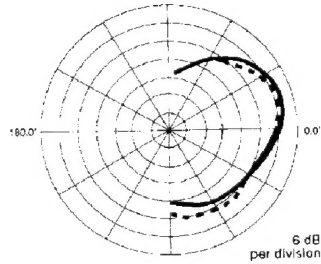
— 400 Hz
- - - 500 Hz



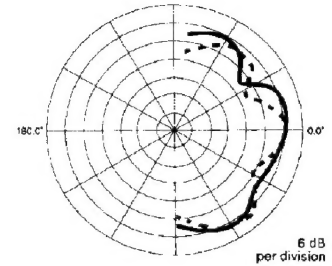
— 630 Hz
- - - 800 Hz



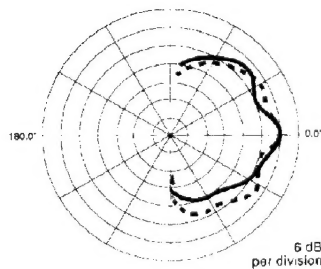
— 1,000 Hz
- - - 1,250 Hz



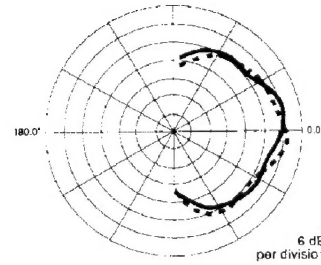
— 1,600 Hz
- - - 2,000 Hz



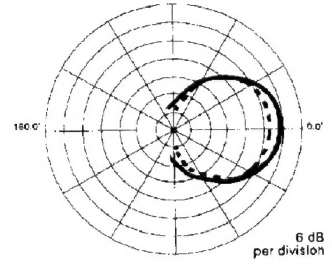
— 2,500 Hz
- - - 3,150 Hz



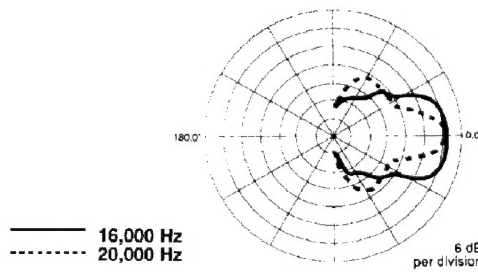
— 4,000 Hz
- - - 5,000 Hz



— 6,300 Hz
- - - 8,000 Hz



— 10,000 Hz
- - - 12,500 Hz



— 16,000 Hz
- - - 20,000 Hz

ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

The loudspeaker system shall have an operating bandwidth of 70 Hz to 20 kHz. The output level shall be 84 dB

when measured at a distance of one meter with an input of one watt. The nominal impedance shall be 8 ohms. The continuous power handling shall be 50 watts, maximum program power of 100 watts, with a minimum amplifier

headroom of 3 dB. The outside dimensions shall be 7 1/2 inches wide by 11 1/2 inches high by 6 1/2 inches deep. The weight shall be 6 lbs. The loudspeaker system shall be a Peavey Architectural Acoustics Division model PR™ 606.

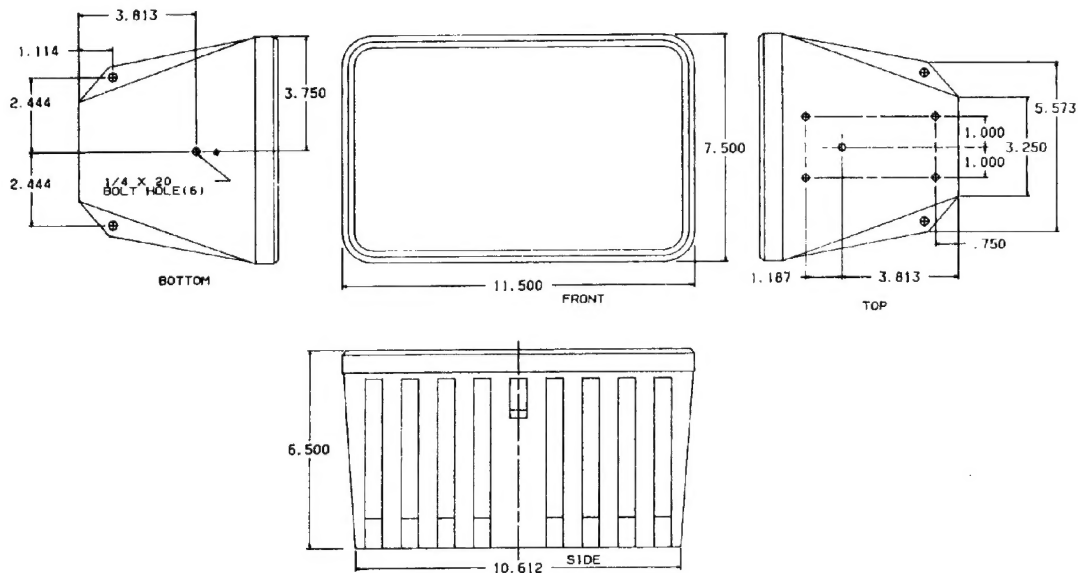
LIMITED WARRANTY

Peavey Electronics Corporation warrants to the original purchaser of this new Architectural Acoustics product that it is free from defects in material and workmanship. If within one (1) year from date of purchase a properly installed product proves to be defective and Peavey is notified, Peavey will repair or replace it at no charge. (Note: Batteries and patch cords not covered.) "Original purchaser" means the customer for whom the product is originally installed.

Damage resulting from improper installation, interconnection of a unit or system of another manufacturer, accident or unreasonable use, neglect or any other cause not arising from defects in material and workmanship is not covered by this warranty. The warranty is valid only as to products purchased and installed in the United States and Canada.

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Peavey's liability to the original purchaser for damages for any cause whatsoever and regardless of the form of action is limited to the actual damages up to the greater of Five Hundred Dollars (\$500) or an amount equal to the purchase price of the product that caused the damage or that is the subject of or is directly related to the cause of action. This limitation of liability will not apply to claims for personal injury or damage to real property or tangible personal property allegedly caused by Peavey's negligence. For information on service under this warranty, call a Peavey customer service representative at (601) 483-5376.



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711 A Street / Meridian, MS 39301 / U.S.A. / (601) 483-5376 / Telex 504115 / Fax 486-1278

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